

WHAT IS CLAIMED IS:

1. An image processing apparatus comprising:

image processing means for generating desired still image data corresponding to image data inputted from outside;

printing state information request generating means for generating the printing state request information requesting the printing state information indicating the printing state of a printing device;

outputting means for having the still image data generated in said image processing means included in a packet pursuant to the IEEE (The Institute of Electrical and Electronic Engineers) 1394 standard to output the resulting packet and for defining the printing state information request generated by said printing state information request generating means by the AV/C command set consistent with the FCP (Function Control Protocol) pursuant to the IEEE 1394 standard and for outputting the resulting request to the printing device; and

printing state presentation means for presenting to the user the printing state in accordance with the printing state information.

2. The image processing apparatus according to claim 1

wherein

said outputting means outputs said printing state request information before transmitting a command indicating the beginning of start of a printing job, a command indicating the end of a printing job, or a capture command indicating the effect that

And you can't have both. You can't have the best of both worlds.

generating desired still image data corresponding to image data inputted from outside;

having the generated still image data contained in a packet pursuant to the IEEE (The Institute of Electrical and Electronics Engineering) 1394 standard to output the resulting pack to said printing device;

simultaneously defining the generated printing state information request in an AV/C command set consistent with an FCP (Function Control Protocol) pursuant to the IEEE 1394 standard to output the resulting defined printing state to said printing device;

presenting the printing state to a user in accordance with the printing state information.

4. The image processing method according to claim 3

said printing state request information is outputted before transmitting a command indicating the beginning of start of a printing job, a command indicating the

end of a printing job, or a capture command indicating the effect that image data is being transmitted.

5. A printing device comprising:

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(inputting means) fed with still image data contained in a packet pursuant to the IEEE (The Institute of Electrical and Electronics Engineering) 1394 standard and with a printing state information request defined by the AV/C command set consistent with an FCP (Function Control Protocol) pursuant to the IEEE 1394 standard;

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(printing means) for printing still image data inputted to said inputting means;  
printing state information (generating means) for generating the printing state information indicating the printing state of the printing device; and

(outputting means) for outputting said printing state information in accordance with the FCP responsive to the printing state information request fed to said inputting means.

6. A printing method comprising:

inputting still image data contained in a packet pursuant to the IEEE (The Institute of Electrical and Electronics Engineering) 1394 standard and a printing state information request defined by the AV/C command set consistent with an FCP (Function Control Protocol) pursuant to the IEEE 1394 standard;

printing the input still image data; and

generating the printing state information indicating the printing state responsive to the input printing state information request to output said printing state information

in accordance with the FCP.

7. An image printing system comprising:

an image processing apparatus;

said image processing apparatus including

image processing means for generating desired still image data corresponding to image data inputted from outside;

printing state information request generating means for generating the printing state request information requesting the printing state information indicating the printing state of a printing device;

outputting means for having the still image data generated in said image processing means included in a packet pursuant to the IEEE (The Institute of Electrical and Electronic Engineers) 1394 standard to output the resulting packet and for defining the printing state information request generated by said printing state information request generating means by the AV/C command set consistent with the FCP (Function Control Protocol) pursuant to the IEEE 1394 standard and for outputting the resulting request to the printing device; and

printing state presentation means for presenting to the user the printing state in accordance with the printing state information;

inputting means fed with still image data outputted by said image processing apparatus and with a printing state information request;

printing means for printing the still image data fed to said inputting means;

printing state information generating means for generating the printing state information indicating the printing state of the printing device; and

outputting means for outputting said printing state information in accordance with the FCP to said image processing apparatus responsive to the printing state information request fed to said inputting means.

8. The image processing apparatus according to claim 7

wherein

said outputting means of the image processing apparatus outputs said printing state request information to the printing device before transmitting a command indicating the beginning of start of a printing job, a command indicating the end of a printing job, or a capture command indicating the effect that image data is being transmitted.

9. An image printing method wherein

on an image processing device, desired still image data corresponding to image data inputted from outside are generated, the printing state request information which requests the printing state request indicating the printing state of the printing device is generated, the generated still image data is contained in a packet pursuant to the IEEE (The Institute of Electrical and Electronics Engineering) 1394 standard, and the resulting packet is outputted to said printing device; the generated printing state information request is defined in an AV/C command set consistent with an FCP (Function Control Protocol) pursuant to the IEEE 1394 standard to output the resulting

defined printing state to said printing device; wherein

on a printing device side, still image data outputted by said image processing apparatus and a printing state information request are inputted, the input still image data is printed, the generated printing state information indicating the printing state of the printing device is outputted responsive to the input printing state information request to the image processing apparatus in accordance with the FCP; and wherein

on the image processing side, said printing state information transmitted from said printing device in accordance with an FCP is received and the printing state is presented to a user in accordance with the printing state information.

10. The image printing system according to claim 9

wherein

said outputting means of the image processing apparatus outputs said printing state request information to the printing device before transmitting a command indicating the beginning of start of a printing job, a command indicating the end of a printing job, or a capture command indicating the effect that image data is being transmitted.

11. A recording medium having stored therein an image processing program, said program comprising:

generating desired still image data corresponding to image data inputted from outside;

generating the printing state request information which requests the printing

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simultaneously defining the generated printing state information request in an AV/C command set consistent with an FCP (Function Control Protocol) pursuant to the IEEE 1394 standard to output the resulting defined printing state information request to said printing device;

presenting the printing state to the user in accordance with said printing state information.

inputting still image data contained in a packet pursuant to the IEEE (The Institute of Electrical and Electronics Engineering) 1394 standard and a printing state information request defined by the AV/C command set consistent with an FCP (Function Control Protocol) pursuant to the IEEE 1394 standard;

generating the printing state information indicating the printing state responsive to the input printing state information request to output said printing state information

in accordance with the FCP.

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